

## PGT<sup>®</sup> 120 Personnel Grounding Tester (Part Nr.: 7100.PGT120)

- The Personnel Grounding Tester PGT<sup>®</sup> 120 is a wrist strap and footwear tester for access control of ESD protected areas (EPA)
- The test result is indicated with audible and visual signals.
- A relay with a dry contact provides the connection to a door opening system. (Adjustable door opening time 1s and 3s)
- Power supply: Internal battery or external power supply unit
- Wrist strap, right and left shoe testing is simultaneously possible by separate measuring circuits
- In combination with a barrier gate, the footwear measurement can be performed in series **without** pressing a contact electrode (hands-free mode).
- Separate measurement of left and right shoe
- Lower limit disabling is possible for shoe testing **and** wrist strap testing
- Beeper can be configured **and** disabled
- The unit can be used on bench tops or as a wall mounted unit (Wall mounting requires an additional wall mounting plate)



### Test mode and limit values:

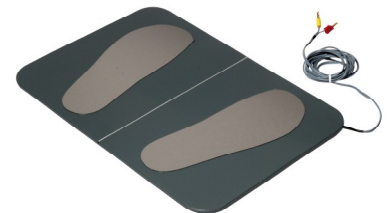
	Measuring range / Test voltage	Standard
Wrist strap / coil cord	(750 kΩ*) - 35 MΩ <i>* lower limit can be disabled</i>	IEC 61340-5-1
Footwear worn on metal plate (values for each shoe)	(100 kΩ*) - 20 / 35 / 70 / 100 MΩ <i>* lower limit can be disabled</i>	IEC 61340-5-1
Footwear in series	40 / 70 / 140 / 200 MΩ (both shoes in series)	---
Test voltage (without load)	100V/DC <i>changeable to 50V or 30V</i>	IEC 61340-5-1



Dimensions:  
150 x 200 x 65 mm

### Supplied with:

- Footwear electrode,
- Power supply 230V/12V,
- 9 V battery
- Manual and calibration certificate (German/English)



Picture: Footwear electrode for separate shoe testing (350 x 500 x 8 mm)



- ▶ 1 year limited warranty
- ▶ Recommended calibration interval: 2 years
- ▶ Persons with active implants (i.e. pacemakers) should use the Personnel Grounding Tester only after consultation with a specialist.

## Technical Information

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**Part Nr.: 7100.PGT120**



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### Version with DIP 12 switches (from SN: 10000 on):



The unit can be configured with DIP switches in the back side of the unit.

### Options:

- „OR“ (wrist strap test or shoe testing)
- „only shoes“
- „only wrist strap testing“
- „AND“ (wrist strap and shoe testing)

Additionally other functions as i.e. “limit values”, “test voltages”, “standard test mode” or “Hands-free-modus” can be selected via these DIP switches.

### Optional accessories:

- Wall mounting plate (stainless steel)

**Part Nr. 7100.PGT120.WK**



- Calibration Unit for PGT®120/ PGT®120.COM with DIP12

**Part Nr. 7100.PGT120.CU.12**



- Mat for footwear electrode with yellow bevelled edges

**Part Nr. 7100.PGT120.SM**



- Separating bar for footwear electrode

**Part Nr. 7100.PGT120.TS**

